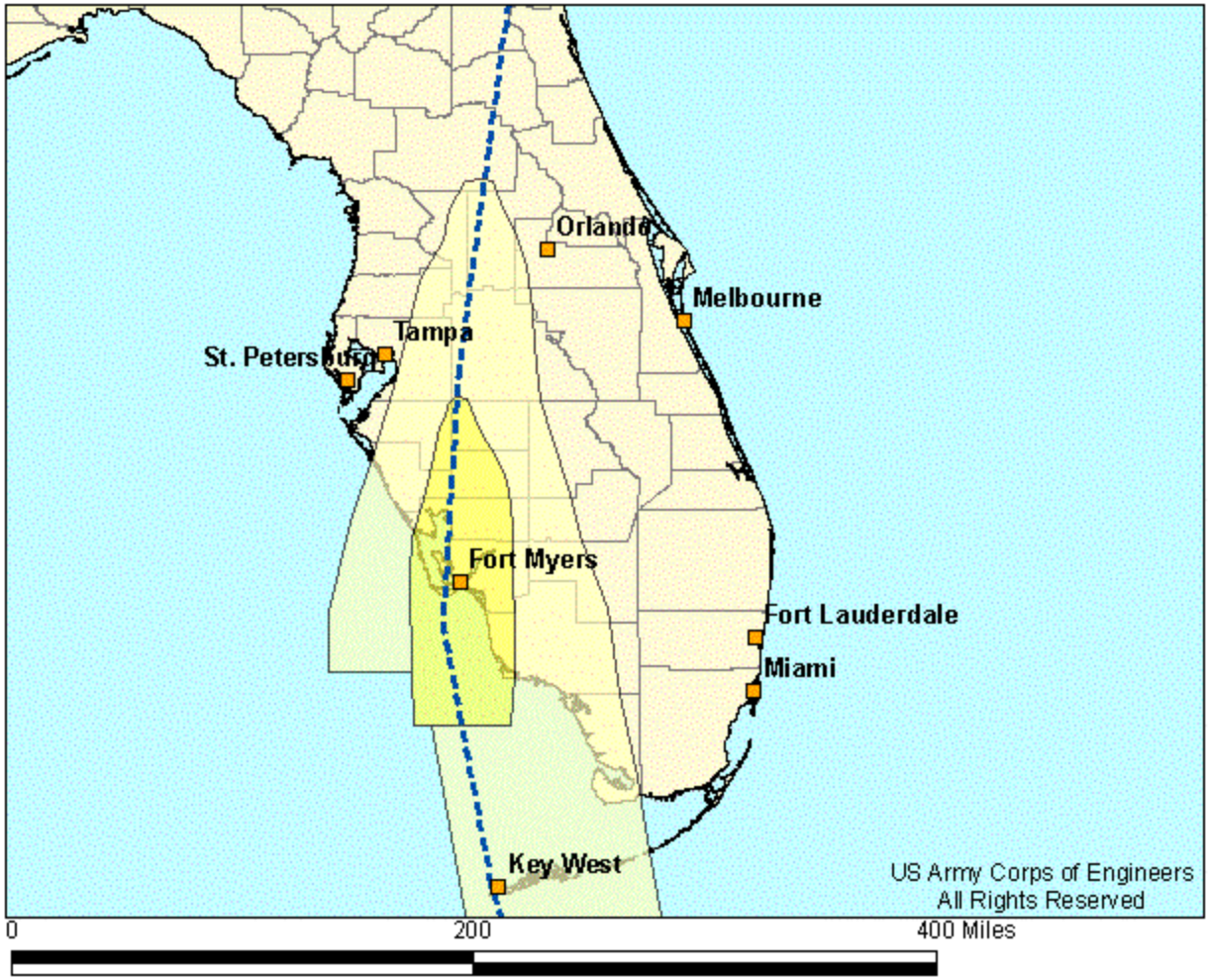
US Army Corps of Engineers

Hurricane Fay Projected Damage Areas

Landfall Expected In About 26 Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 1 storm making landfall near Sanibel Island, FL.

Forecast Track

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 1 storm making landfall near Sanibel Island, FL. These projections are based on information from the NHC (1100 EDT 08/18/2008) forecast.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

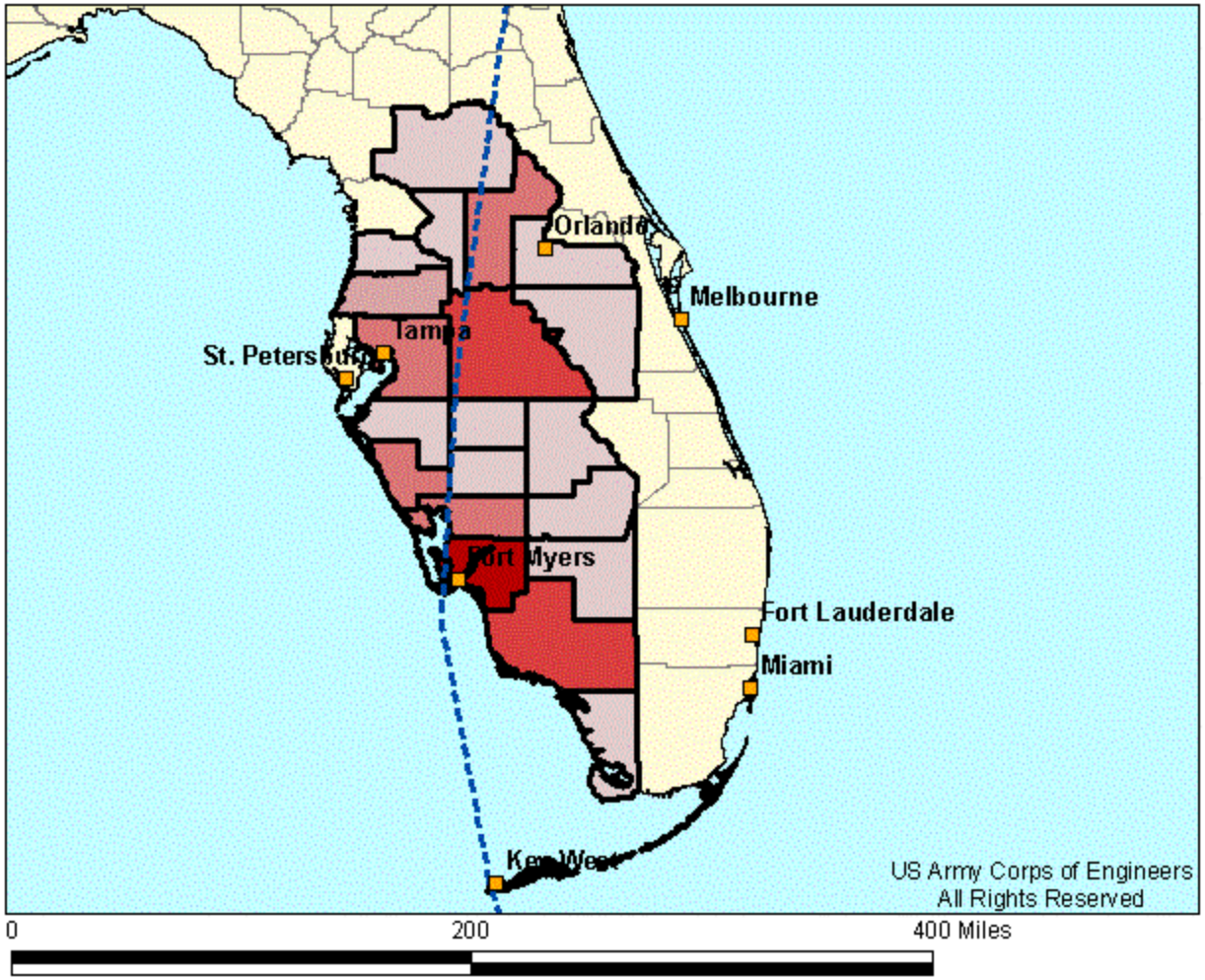
Hurricane Fay Projected Damage Areas	
Generated By: Siemsen, LRL 1130 EDT 08/18/2008	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 15

US Army Corps of Engineers

Hurricane Fay Debris Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

Florida - 5,195,000 Yards

Model results per County on following page

This model is based on a Category 1 storm making landfall near Sanibel Island, FL.

Forecast Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 1 storm making landfall near Sanibel Island, FL. These projections are based on information from the NHC (1100 EDT 08/18/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Debris Model	
Generated By: Siemsen, LRL 1130 EDT 08/18/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Fay Debris Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Florida		Charlotte	435,000
		Collier	896,000
		DeSoto	74,000
		Glades	8,000
		Hardee	48,000
		Hendry	28,000
		Hernando	6,000
		Highlands	92,000
		Hillsborough	375,000
		Lake	278,000
		Lee	1,396,000
		Manatee	61,000
		Marion	17,000
		Monroe	85,000
		Orange	16,000
		Osceola	11,000
		Pasco	125,000
		Polk	697,000
		Sarasota	497,000
		Sumter	50,000
Florida	5,195,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Fay Debris Model

Generated By:
Siemsen, LRL 1130 EDT 08/18/2008

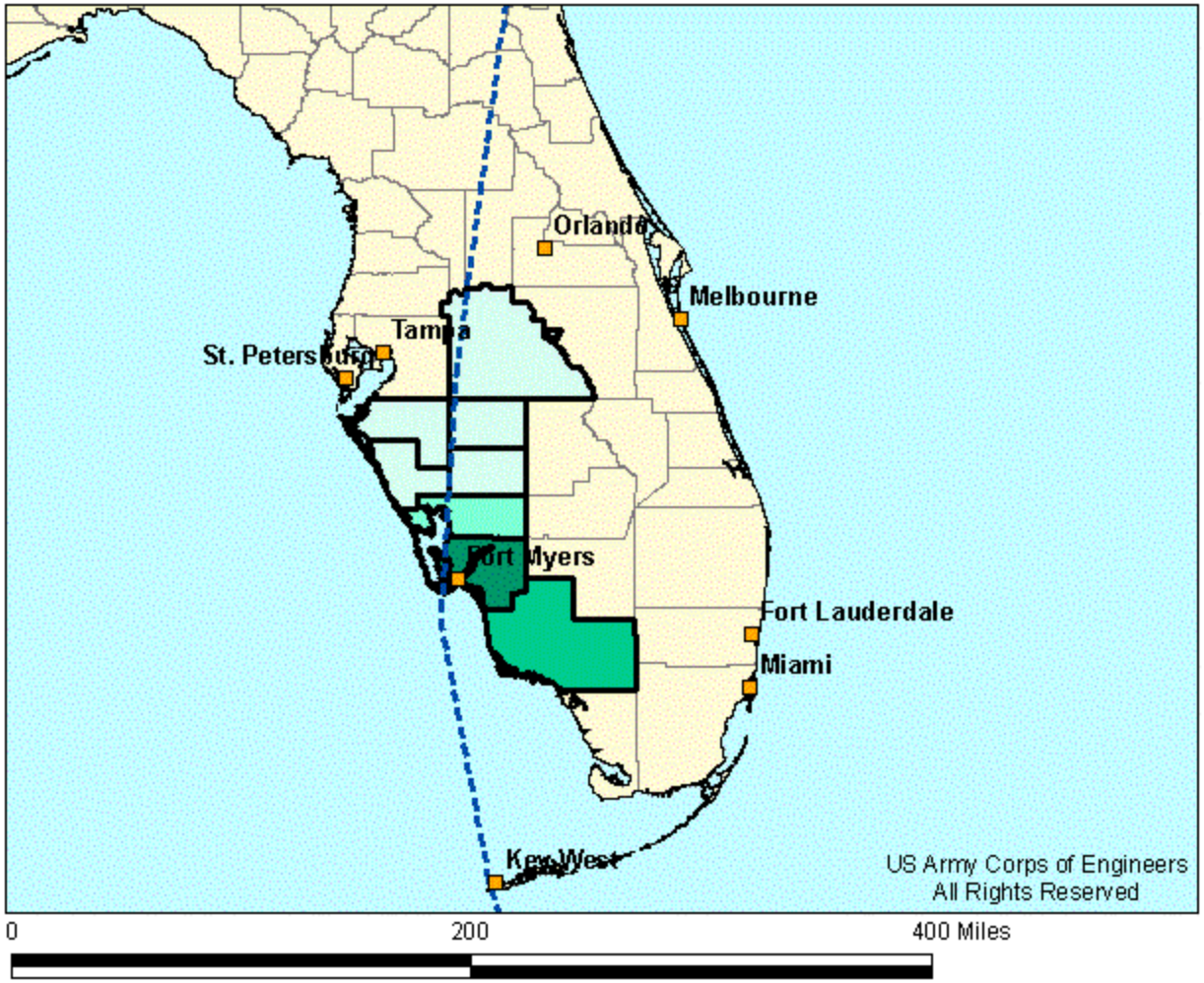
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Commodities Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Day One / Day Two / Day Three
Florida – 46/46/46 Truckloads

Model results per County on following page

This model is based on a Category 1 storm making landfall near Sanibel Island, FL.

Forecast Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 1 storm making landfall near Sanibel Island, FL. These projections are based on information from the NHC ***(1100 EDT 08/18/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Commodities Model	
Generated By: Siemsen, LRL 1130 EDT 08/18/2008	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 15

US Army Corps of Engineers

Hurricane Fay Commodities Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Florida		Charlotte	5
		Collier	11
		DeSoto	2
		Hardee	1
		Lee	24
		Manatee	1
		Polk	1
		Sarasota	1
Florida	46		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Fay Commodities Model

Generated By:
Siemsen, LRL 1130 EDT 08/18/2008

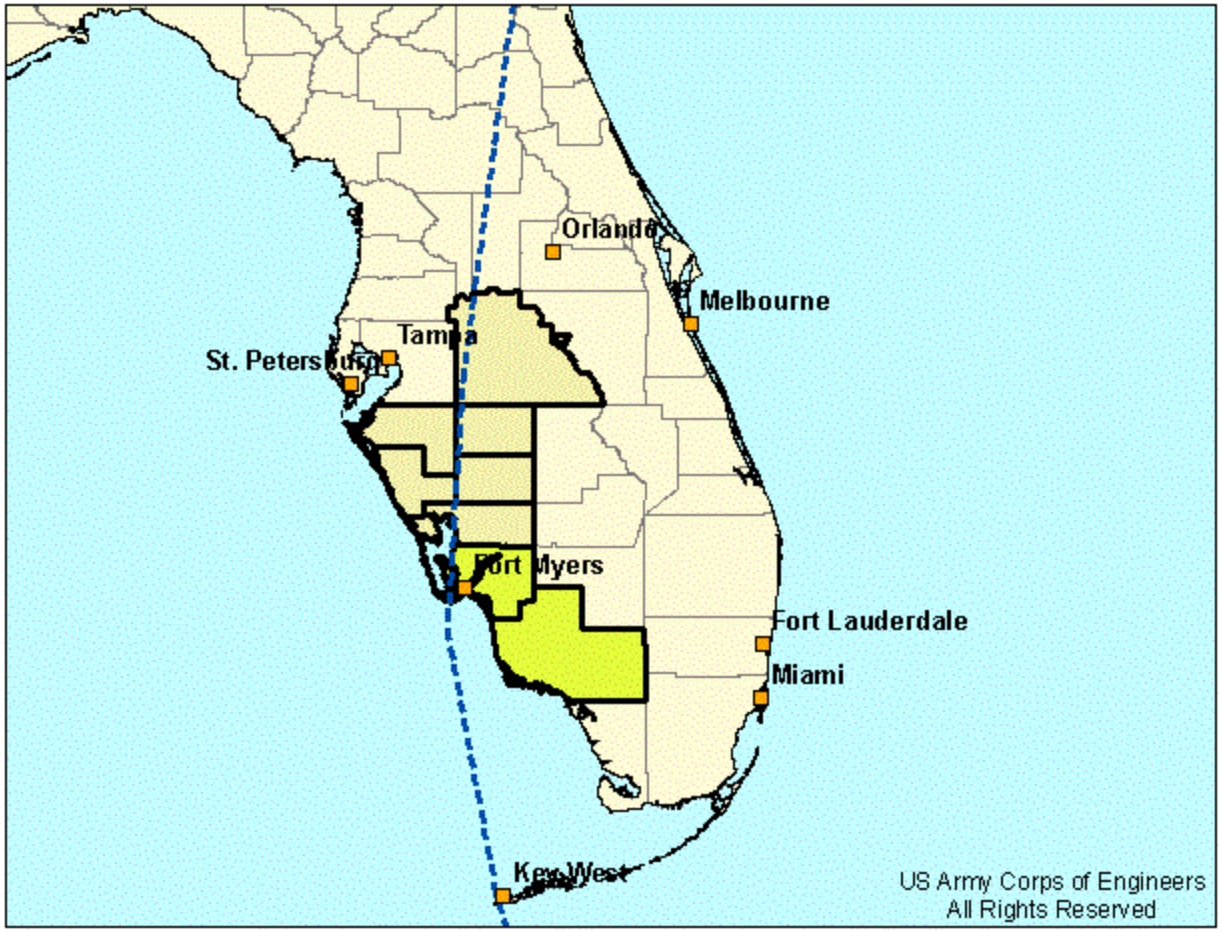
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Temporary Roofing Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

Florida - 7,500

Model results per County on following page

This model is based on a Category 1 storm making landfall near Sanibel Island, FL.

Forecast Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall near Sanibel Island, FL. These projections are based on information from the NHC (1100 EDT 08/18/2008) forecast. Temporary roofing is based on 2% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Roofing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 6 of 15

US Army Corps of Engineers

Hurricane Fay Temporary Roofing Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Florida		Charlotte	1,200
		Collier	2,100
		DeSoto	200
		Hardee	< 100
		Lee	3,800
		Manatee	< 100
		Polk	< 100
		Sarasota	200
Florida	7,500		

Temporary roofing is based on 2% in CAT 1.

Details about this model may be obtained at http://www.enqlink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Fay Roofing Model

Generated By:
Siemsen, LRL 1130 EDT 08/18/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Temporary Housing Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!

Post Landfall Temporary Housing Model Results

None Expected

Model results per County on following page

This model is based on a Category 1 storm making landfall near Sanibel Island, FL.

Forecast Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall near Sanibel Island, FL. These projections are based on information from the NHC (1100 EDT 08/18/2008) forecast. Temporary housing is based on nothing.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Housing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 8 of 15

US Army Corps of Engineers

Hurricane Fay Temporary Housing Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County

Temporary housing is based on nothing.

Details about this model may be obtained at http://www.enqlink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Fay Housing Model

Generated By:
Siemsen, LRL 1130 EDT 08/18/2008

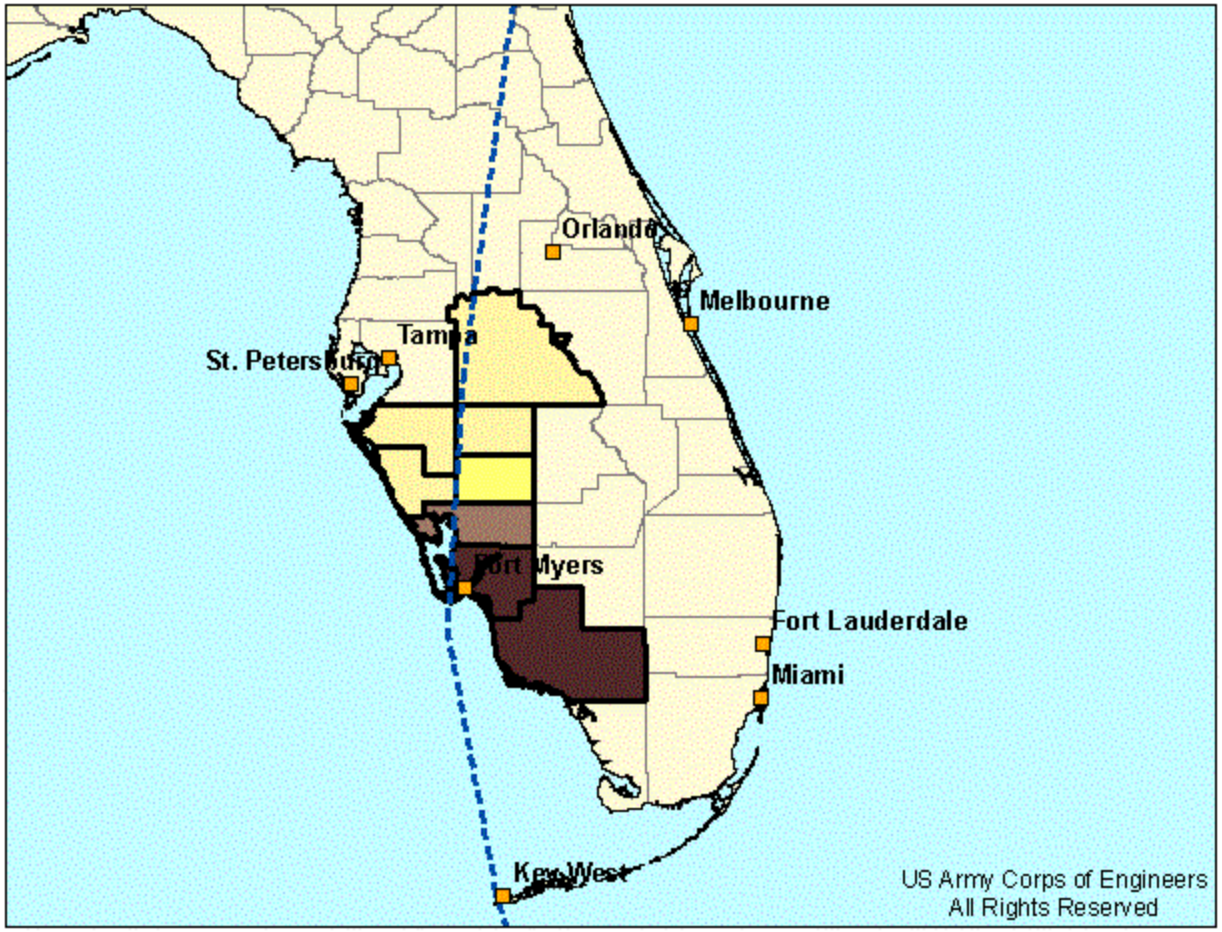
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Population Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!



Post Landfall Population Model Results

Florida - 999,000

Model results per County on following page

This model is based on a Category 1 storm making landfall near Sanibel Island, FL.

Forecast Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 1 storm making landfall near Sanibel Island, FL. These projections are based on information from the NHC (1100 EDT 08/18/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Population Model	
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Sources: HURREVAC LRL-DEBRIS	Page 10 of 15

US Army Corps of Engineers

Hurricane Fay Population Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
Florida		Charlotte	130,000
		Collier	255,000
		DeSoto	30,000
		Hardee	14,000
		Lee	553,000
		Manatee	3,000
		Polk	< 1,000
		Sarasota	14,000
Florida	999,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Fay Population Model

Generated By:
Siemsen, LRL 1130 EDT 08/18/2008

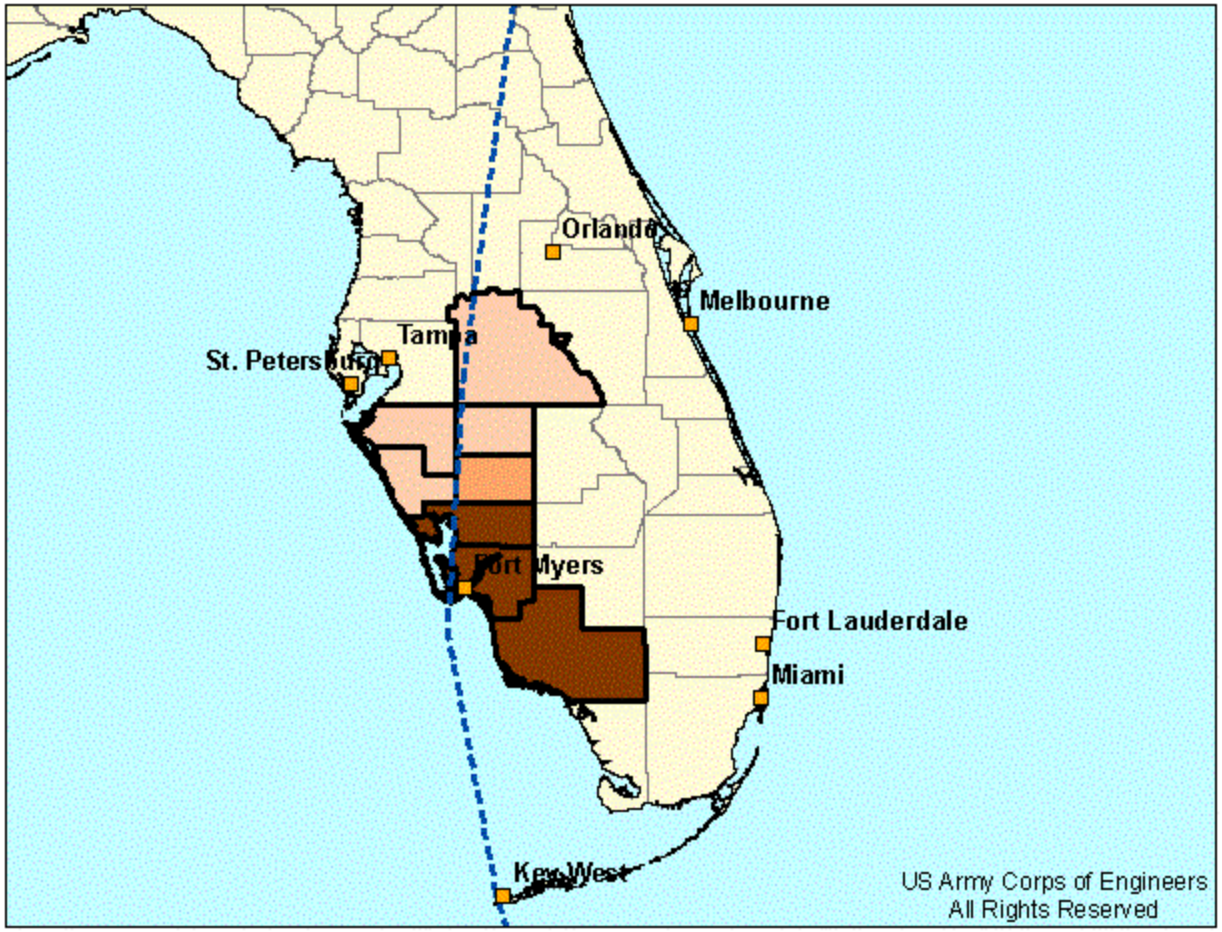
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Households Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!



Post Landfall Households Model Results

Florida - 428,000

Model results per County on following page

This model is based on a Category 1 storm making landfall near Sanibel Island, FL.

Forecast Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 1 storm making landfall near Sanibel Island, FL. These projections are based on information from the NHC (1100 EDT 08/18/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Households Model	
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Sources: HURREVAC LRL-DEBRIS	Page 12 of 15

US Army Corps of Engineers

Hurricane Fay Households Model

Landfall Expected In About 26 Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
Florida		Charlotte	58,000
		Collier	112,000
		DeSoto	10,000
		Hardee	4,000
		Lee	238,000
		Manatee	< 1,000
		Polk	< 1,000
		Sarasota	6,000
Florida	428,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.enqlink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Fay Households Model

Generated By:
Siemsen, LRL 1130 EDT 08/18/2008

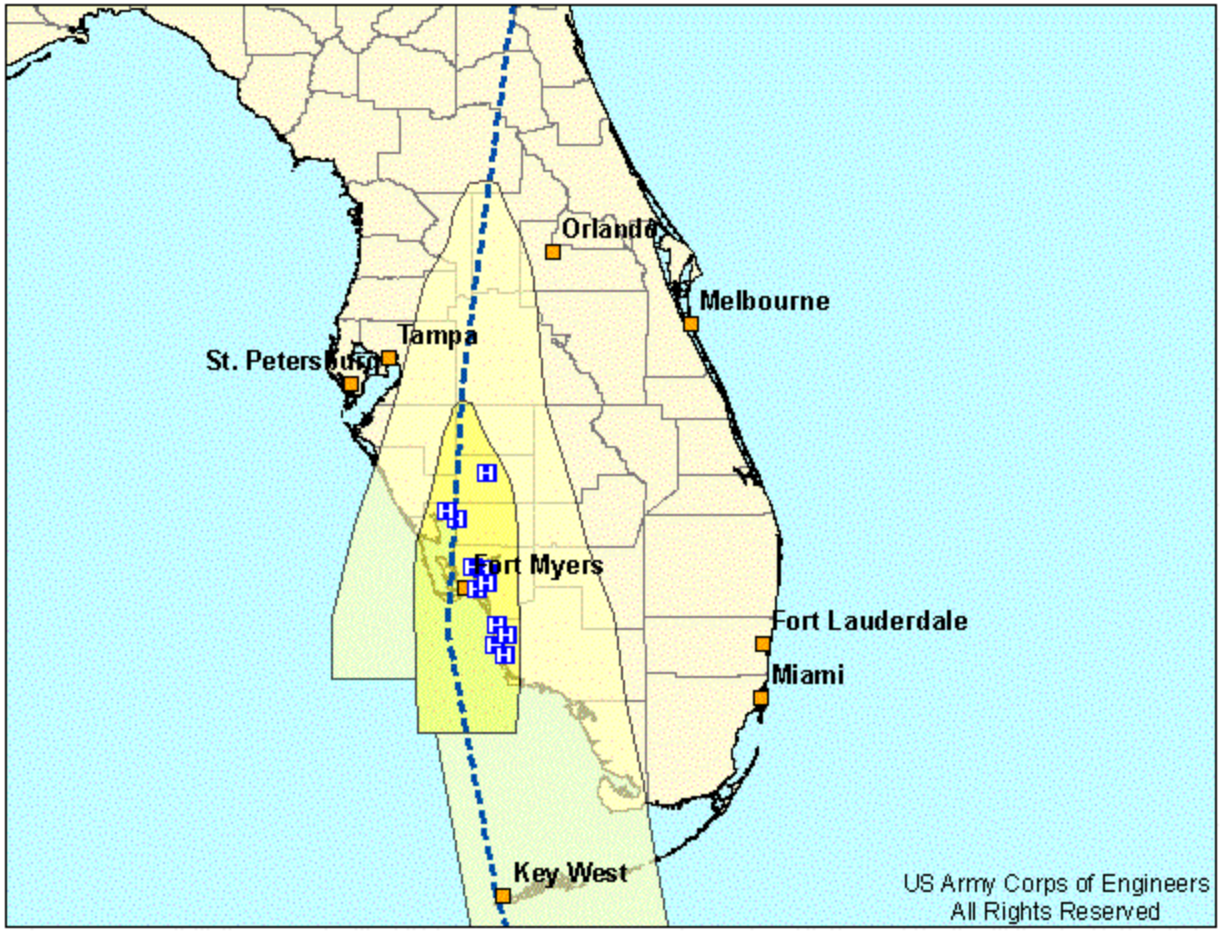
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Hospitals

Landfall Expected In About 26 Hours

For Planning Purposes Only!



Most Probable Landfall Hospitals Inside Hurricane Force Winds

Florida - 13

Model results per County on following page

This model is based on a Category 1 storm making landfall near Sanibel Island, FL.

H Hospitals

Forecast Track

Information provided on this page displays a Category 1 storm making landfall near Sanibel Island, FL. These projections are based on information from the NHC (1100 EDT 08/18/2008) forecast.

The number of hospitals included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Hospitals	
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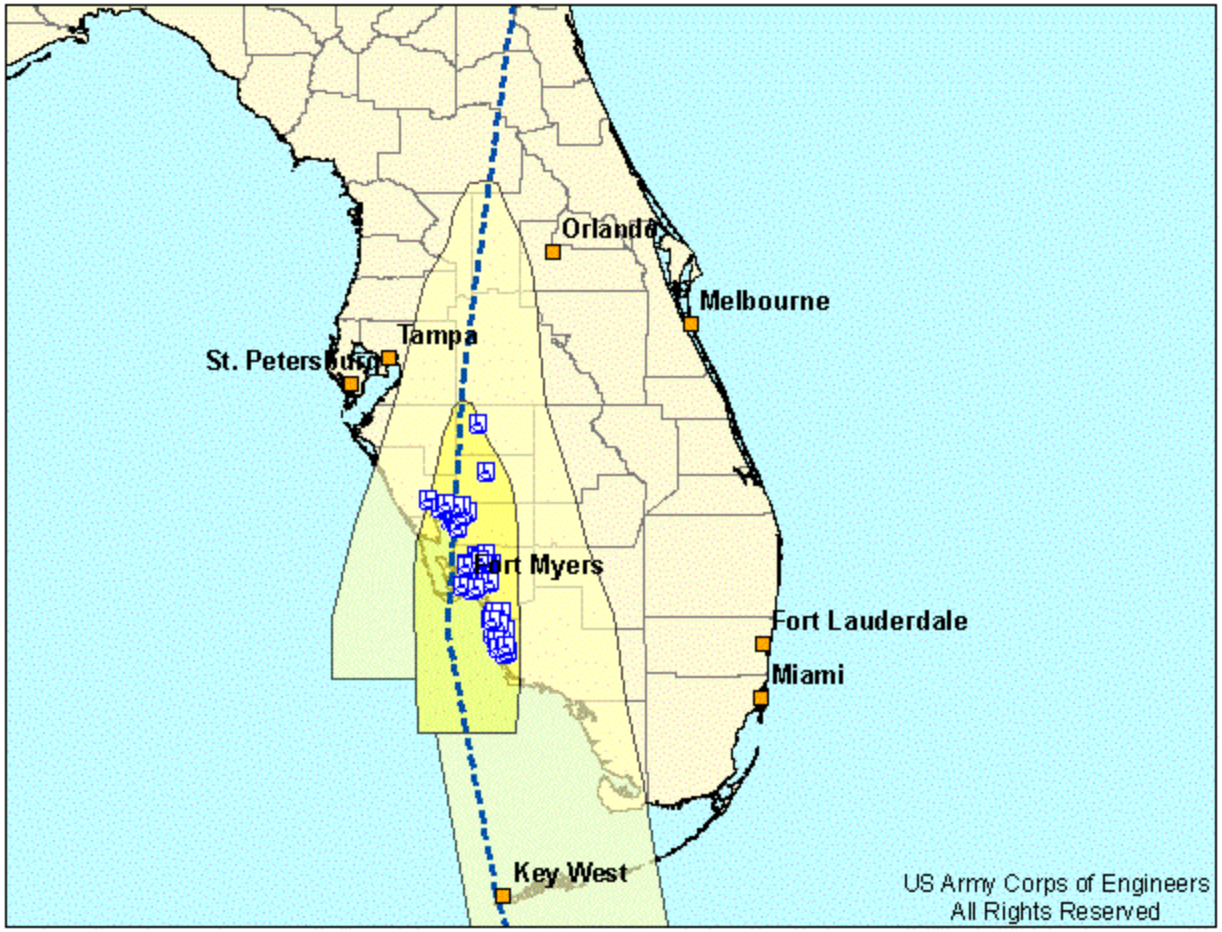
Sources: HURREVAC LRL-DEBRIS	Page 14 of 15

US Army Corps of Engineers

Hurricane Fay Nursing Homes

Landfall Expected In About 26 Hours

For Planning Purposes Only!



Most Probable Landfall Nursing Homes Inside Hurricane Force Winds

Florida - 136

Model results per County on following page

This model is based on a Category 1 storm making landfall near Sanibel Island, FL.

Nursing Homes

Forecast Track

Information provided on this page displays a Category 1 storm making landfall near Sanibel Island, FL. These projections are based on information from the NHC (1100 EDT 08/18/2008) forecast.

The number of nursing homes included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Nursing Homes	
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Sources: HURREVAC LRL-DEBRIS	Page 15 of 15